•		FAIGN
2	IN THE UNITED STATES PATENT AND TRADEMARK OFFICE	
3 4	In re Application of: Edward E. Miller) Atty. Dkt. No. 03.09.17.1)
5 6 7 8 9	Serial No. 10/789,207 Filing Date: 2/27/2004 Title:) Art Unit: 1713) Examiner: Robert D. Harlan)) Duncan, Oklahoma 73534
10 11 12	WATER CONTROL IN A SUBSURFACE FORMATION)) Date: February 27, 2007
13	RESPONSE TO OFFICE ACTION	
14 15 16	Commissioner For Patents P.O. Box 1450 Alexandria, Virginia 22313-1450	
17	Sir:	
18	This is in response to the Final Action mailed January 26, 2007.	
19	IN THE CLAIMS	
20	A. Please amend claim 1 as follows:	
21	1. A method of making a gel which is not water soluble comprised of making a water	
22	soluble polymer of an acrylic acid compound comprising:	
23	combining an acrylic acid compound with a reactant selected from the group consisting	
24	of a divalent metal salt of said acrylic acid compound, a monovalent metal salt of said acrylic	
25	acid compound and mixtures thereof to form a polymer precursor,	
26	combining a polymerization initiator with said precursor [and],	
27	permitting said precursor to form said water soluble polymer[;]. and	
28	combining said water soluble polymer with a cross linking agent to form said gel;	
29	wherein	
30	said polymer precursor contains in the range of from about 0.65 to about 2.75 units of	